Facility Name: Goose Haven Energy Center
Permit for Facility #: B4416

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 – COMBUSTION GAS TURBINE
May 1, 2016 through October 31, 2016

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NOx	BAAQMD 9-9-301.1.3	N		9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #20057, part 23c	C	CEM	X	
NOx	BAAQMD 9-9-301.1.3	N		9 ppmv @ 15% O2, dry	BAAQMD condition #20057, part 24a	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
NOx	BAAQMD 9-9-301.2	N		.43 lbs/MW or 9 ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD Condition #20057 part 23c	C	CEM	X	
NOx	SIP Regulation 9-9-301.3	Y		9ppmv @ 15% O2, dry	BAAQMD 9-9-501 and BAAQMD condition #20057, part 23c	C	CEM	X	
	SIP Regulation 9-9-301.3	Y		9ppmv @ 15% O2, dry	BAAQMD condition #20057, part 24a	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
NOx	NSPS, 40 CFR 60.332(a)(1)	Y		75ppmv @ 15% O2, dry	NSPS 40CFR 60.334(c)	C	CEM	X	
NOx	None	Y		None	40 CFR 75.10	C	CEM	X	
NOx	BAAQMD condition #20057, part 18.1	Y		2.5 ppm @15% O2, dry 3-hr rolling average except during turbine startup or shutdown	BAAQMD condition #20057, part 18.1	C	CEM	X	

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								Yes	No
NOX	BAAQMD condition #20057, part 18.1	Y		2.5 ppm @15% O2, dry 3-hr average except during turbine startup or shutdown	BAAQMD condition #20057, part 24a	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
NOx	BAAQMD condition #2057, part 21	Y		121 lb/ calendar day (as NO2)	BAAQMD condition #20057, part 23c	C	CEM	X	
NOx	BAAQMD condition #20057, part 21	Y		16.4 tons per calendar year (as NO2)	BAAQMD condition #20057, part 23c	C	CEM	X	
CO	BAAQMD condition #20057, part 18.3	Y		6 ppmv, @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20057, parts 18.3 and 23c	C	CEM	X	
CO	BAAQMD condition #20057, part 18.3	Y		6 ppmv, @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20057, part 24c	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
CO	BAAQMD condition #20057, part 21	Y		163 lb/ calendar day	BAAQMD condition #20057, part 23c	C	CEM	X	
CO	BAAQMD condition #20057, part 21	Y		29.1 tons per calendar year	BAAQMD condition #20057, part 23c	C	CEM	X	
CO2		Y		None	40 CFR 75.10	C	CEM (CO2) or CEM (O2) or fuel flow monitor	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #20057, part 23e	P/Q	Total Sulfur analysis	X	
SO2	NSPS 40 CFR 60.333(a)	Y		0.015% (vol) @ 15% O_2 (dry)	NSPS 40 CFR 60.334(h)(3)		Fuel Measurements, calculations	X	
SO2	None	Y		None	40 CFR 75.11(d)(2), 40 CFR 75, Appendix D, part 2.3		Fuel measurements, calculations	X	
SO2	BAAQMD condition #20057, part 18.6	Y		1.39 lb/hr excluding startup and shutdown of turbines	BAAQMD condition #20057, part 23e	P/Q	Total sulfur content analysis	X	
SO2	BAAQMD condition #20057, part 18.6	Y		1.39 lb/hr excluding startup and shutdown of the turbines	BAAQMD condition #20057, part 24f	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
SO2	BAAQMD condition #20057, part 21	Y		33 lb/ calendar day	BAAQMD condition #20057, part 23e	P/Q	Total sulfur analysis	X	
SO2	BAAQMD condition #20057, part 21	Y		6.0 tons/ calendar year	BAAQMD condition #20057, part 23e	P/Q	Total sulfur analysis	X	
Opacity	BAAQMD 6-1-301	N		>Ringelmann No.1 for no more than 3 minutes in any hour		N		X	
Opacity	SIP 6-301	Y		>Ringelmann No.1 for no more than 3 minutes in any hour		N		X	

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD condition #20057, part 17	Y		> Ringelmann No.1 for no more than 3 minutes in any hour or equivalent 20% opacity		N		X	
Filterable Particulate	BAAQMD 6-1-310	N		0.15 grains/dscf		N		X	
Filterable Particulate	SIP 6-310	Y		0.15 grains/dscf		N		X	
PM10	BAAQMD condition #20057, part 18.5	Y		3 lb/hr for S-1	BAAQMD condition #20057, part 24e	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
PM10	BAAQMD condition #20057, part 21	Y		72 lb/ calendar day	BAAQMD condition #20057, parts 24e	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
PM10	BAAQMD condition #20057, part 21	Y		13.1 tons/ calendar year	BAAQMD condition #20057, part 24e	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
POC	BAAQMD condition #20057, part 18.4	Y		2 ppmv @ 15% O2, dry, except during turbine startup or shutdown	BAAQMD condition #20057, part 24d	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
POC	BAAQMD condition #20057, part 21	Y		30.0 lb/calendar day	BAAQMD condition #20057, part 24d	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
POC	BAAQMD condition #20057, part 21	Y		4.9 ton/ calendar year	BAAQMD condition #20057, part 24d	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NH3	BAAQMD condition #20057, part 18.2	N		10ppmv @15% O2, dry, except during turbine startup or shutdown	BAAQMD condition #20057, parts 18.2 and 23b	C	Calculation based on source test and NH3 to NOx ratio at inlet to SCR	X	
NH3	BAAQMD condition #20057, part 18.2	N		10ppmv @15% O2, dry, except during turbine startup or shutdown	BAAQMD condition #20057, part 24b	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
Heat input limit	BAAQMD condition #20057, part 22	Y		500 MMBTU/hr (HHV),	BAAQMD condition #20057, part 23d	C	Fuel meter,	X	
Heat input limit	BAAQMD condition #20057, part 22	Y		500 MMBTU/hr (HHV),	BAAQMD condition #20057, part 23d	P/M	Fuel composition analysis	X	
Heat input limit	BAAQMD condition #20057, part 22	Y		500 MMBTU/hr (HHV)	BAAQMD condition #20057, part 24g	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
Heat input limit	BAAQMD condition #20057, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20057, part 23d	C	Fuel meter, calculations	X	
Heat input limit	BAAQMD condition #20057, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20057, part 31g	P/Q	Fuel composition analysis	X	
Heat input limit	BAAQMD condition #20057, part 22	Y		4,380,000 MMBTU/yr	BAAQMD condition #20057, part 23d	C	Fuel meter, calculations	X	
Heat input limit	BAAQMD condition #20057, part 22	Y		4,380,000 MMBTU/yr	BAAQMD condition #20057, part 31g	P/Q	Fuel composition analysis	X	

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
MW	N/A			None	BAAQMD condition #20057, part 24h	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
Exhaust Gas temperature	N/A			None	BAAQMD condition #20057, part 24j	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
Stack gas flow	N/A			None	BAAQMD condition #20057, part 24i	P/A	Source test every 8000 hrs or every 3 yrs, whichever comes first	X	
NH3 injection rate	N/A			None	BAAQMD condition #20057, part 24k, 18.2	P/A	Source test District approved correct ammonia slip calculation and correction factor determined by source test with source. Test every 8,000 hrs or every 3 yrs, Whichever comes first	X	
Start-up Period	BAAQMD Condition #20057 part 19			60 minutes per start-up	BAAQMD condition #2057, part 31(b)	P/E	Records	X	
Shutdown Period	BAAQMD Condition #20057 part 20			30 minutes per shutdown	BAAQMD condition #2057, part 31(b)	P/A	Records	X	
Fuel Sulfur Content	40 CFR 60.333(b)			0.8 percent by weight (8000ppmw) sulfur	40CRFR 60.334(h)(1)	P	Fuel Sulfur Content Testing	X	

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-2 – DIESEL FIREWATER PUMP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
SO2	BAAQMD 9-1-301 BAAQMD	N		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		P/E	Fuel certification by vendor	X	
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight		P/E	Fuel certification by vendor	X	
Opacity	SIP Regulation 6-302	Y		<Ringelmann No. 2 for more than 3 min/hr		N		X	
Opacity	BAAQMD Regulation 6-1-302	N		<Ringelmann No. 2 for more than 3 min/hr		N		X	
FP	SIP Regulation 6-310	Y		0.15 grain/dscf		N		X	
FP	BAAQMD Regulation 6-1-310	N		0.15 grain/dscf		N		X	
Hours of operation	BAAQMD 9-8-330.1 BAAQMD Condition #22850 Part 1	Y		Emergency use for an unlimited number of hours	BAAQMD 9-8-530 BAAQMD Condition #22850 Part 3	C P/E	Hour meter, recordkeeping	X	
Hours of operation	BAAQMD 9-8-330.2 BAAQMD Condition #22850 Part 1	Y		Reliability-related activities not to exceed 50 hours in any consecutive 12-month period	BAAQMD Regulation 9-8-530 BAAQMD Condition #22850 Part 3	C P/E	Hour meter, recordkeeping	X	

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD Regulation 6-1-301	N		>=Ringelmann 1 for no more than 3 min/hr		N		X	
Opacity	SIP Regulation 6-301	Y		>=Ringelmann 1 for no more than 3 min/hr		N		X	
Particulate Weight	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf		N		X	
Particulate Weight	SIP Regulation 6-310	Y		0.15 grains per dscf		N		X	
Particulate Weight	BAAQMD Regulation 6-1-311	Y		40 lb/hr	N	N		X	
Particulate Weight	SIP Regulation 6-311	Y		40 lb/hr	N	N		X	